

Application No. 10/045,940
Amendment Dated: April 21, 2003
Reply to Office action of January 31, 2003

This listing of claims will replace all prior versions,
and listings, of claims in the application:

1 1. (Original) Watch movement in which the rotor of
2 a generator is driven by a spring over a plurality of wheels
3 and pinions, the operation of the generator being regulated by
4 an electronic regulating circuit, wherein said wheels and
5 pinions are electrically grounded.

1 2. (Original) The watch movement of claim 1,
2 wherein at least certain of said wheels and pinions are made
3 of non-magnetizable material.

1 3. (Original) The watch movement of claim 2,
2 wherein at least the wheel and/or the pinion that meshes into
3 said rotor are made of non-magnetizable material.

1 4. (Original) The watch movement of claim 3,
2 wherein said non-magnetizable material comprises
3 copper-beryllium (CuBe).

1 5. (Original) The watch movement of claim 2,
2 wherein at least certain of said wheels and/or pinions are
3 made of electrically well conductive material.

1 6. (Original) The watch movement of claim 5,
2 wherein said material is an electrically conductive oxide.

1 7. (Original) The watch movement of claim 5,
2 wherein said material is gold.

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1 8. (Original) The watch movement of claim 5,
2 wherein said material is an electrically conductive plastic.

1 9. (Original) The watch movement of claim 1,
2 wherein at least one of said wheels and/or pinions are
3 provided with a coating.

1 10. (Original) The watch movement of claim 9,
2 wherein said coating is electrically conductive.

1 11. (Original) The watch movement of claim 9,
2 wherein said coating is not magnetic.

1 12. (Original) The watch movement of claims 9,
2 wherein said coating is not oxidable.

1 13. (Original) The watch movement of claim 9,
2 wherein said coating has a hardness greater than 200DH.

1 14. (Original) The watch movement of claim 9,
2 wherein the thickness of said coating is less than 1 μ m.

1 15. (Original) The watch movement of claim 9,
2 wherein said coating consists of gold or a gold alloy.

1 16. (Original) The watch movement of claim 9,
2 wherein said coating consists of an electrically
3 conductive oxide.

1 17. (Original) The watch movement of claim 1,
2 wherein at least one meshing is not epilamized.

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1 18. (Original) The watch movement of claim 1,
2 wherein said wheels and pinions are grounded over the meshing.

1 19. (Original) The watch movement of claim 1,
2 wherein said at least one of the wheels and/or pinions are
3 not epilamized.

1 20. (Original) The watch movement of claim 1,
2 wherein materials for said wheels and pinions are used which
3 possess approximately the same electrochemical potential
and/or the same dielectric constant.

1 21. (Original) The watch movement of claim 1,
2 wherein at least one of said wheels and pinions is grounded
3 over the axes.

1 22. (Original) The watch movement of claim 21,
2 wherein said axes are grounded over the jewel bearings.

1 23. (Original) The watch movement of claim 22,
2 wherein said jewel bearings use an electrically
3 conductive oil.

1 24. (Original) The watch movement of claim 21,
2 wherein said axes are grounded by means of sliding contacts.

1 25. (Original) The watch movement of claim 1,
2 wherein in the watch movement an ozone-resistant oil is used.

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1 26. (Original) The watch movement of claim 1,
2 wherein a dry-film lubrication is used in the watch movement.

1 27. (Original) The watch movement of claim 1,
2 wherein it was tested beforehand to check whether certain
3 parts of the watch movement are grounded.

1 28. (Original) The watch movement of claim 1,
2 wherein it contains bearings that protect the oil
3 against oxidation.

1 29. (Original) Watch movement in which the rotor of
2 a generator is driven by a spring over a plurality of wheels
3 and pinions, the operation of the generator being regulated by
4 an electronic regulating circuit, wherein at least certain of
5 said wheels and pinions are electrically grounded, and wherein
6 at least certain of said wheels and pinions are made of
7 non-magnetizable material.

1 29 30. (currently amended) Watch movement in which the
2 rotor of a generator is driven by a spring over a plurality of
3 wheels and pinions, the operation of the generator being
4 regulated by an electronic regulating circuit, wherein said
5 regulating circuit changes the load imposed on said generator,
6 and wherein in the watch movement an oil is used that is
7 ozone-resistant.

1 30. (new) Watch movement according to claim 30,
2 wherein said generator is driven by a wheel and a pinion
3 made of non-magnetizable material and whose meshing are
 not epilamized.